



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

S&P Air Control, LLC
3005 South Hickory Street
Chattanooga, TN 37407

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model D-HV-5 Aluminum Louver System

APPROVAL DOCUMENT: Drawing No. **25-022**, titled "Model D-HV-5 Horizontal & Vertical Louver System (L.M.I.)", sheets 1 through 15 of 15, dated 03/24/2025, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant (Level E, 80 fps)

LABELING: A permanent label with the manufacturer's name or logo, Chattanooga, TN or Hartford, AL, model/series, and following statement: "Miami-Dade County Product Control Approved", is to be located on each unit.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



09/11/25

NOA No. 25-0819.01
Expiration Date: September 18, 2030
Approval Date: September 18, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **25-022**, titled “Model D-HV-5 Horizontal & Vertical Louver System (L.M.I.)”, sheets 1 through 15 of 15, dated 03/24/2025, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94 (Level E, 80 fps)
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models D-HV-5 Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T007**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.
2. Test Report on Test Method for Louvers Impacted by Wind Borne Debris per ANSI/AMCA 540 on Models D-HV-5 Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T006**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.
3. Test Report on High Velocity Wind Driven Rain Resistance per ANSI/AMCA 550-15 on a Model D-HV-5 Aluminum Louver System, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T005**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.

C. CALCULATIONS

1. Anchoring calculations, prepared by Tilteco, Inc, dated 07/24/2025, signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Tilteco, Inc., dated 04/09/2025, signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement letter of no financial interest letter, issued by Tilteco, Inc., dated 04/09/2025, signed and sealed by Walter A. Tillit Jr., P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0819.01
Expiration Date: September 18, 2030
Approval Date: September 18, 2025

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

GENERAL NOTES

1. MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM (L.M.I.) SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z.).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.

MODEL D-HV-5 CONSISTS OF THE INSTALLATION OF HORIZONTAL LOUVER SYSTEM AS FRONT LOUVER COVER AND VERTICAL LARGE MISSILE IMPACT RESISTANT ALUM. LOUVER SYSTEM ADOPTED FOR WIND AND FATIGUE DUE TO WING RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PRI CONSTRUCTION MATERIALS TECHNOLOGIES, LLC. REPORTS #1697T0007, 1697T0006, 1697T0005 AS PER TAS 201 (80 FT/SEC), TAS-202, TAS-203 AND AMCA 540.

2. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY & TEMPER, UNLESS NOTED OTHERWISE.
 3. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 AND SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

4. ANCHORS (16) USED FOR CONNECTION TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 15 FOR MAX. SPACING).

ANCHORS (16) SHALL BE INSTALLED FOLLOWING ALL THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHORS MANUFACTURER. E.D. IS BEYOND ANY WALL FINISH. LAG SCREWS SHALL COMPLY WITH 2018 NDS.

ANCHOR TYPE	MANUFACTURER	DIAMETER OR GAGE	MIN. EMBEDMENT			MIN. EDGE DISTANCE (E.D.)				
			TO CONCRETE (f _c ≥ 3,000 psi)	TO CONCRETE BLOCK ASTM (f _c ≥ 90 UNIT) OR GROUTED CONCRETE (f _c ≥ 1.5 ksi)	1/8" MIN. (F _y = 58ksi) GALV. STEEL OR 1/4" 6063-T5 ALUMINUM	TO WOOD OR GROUTED WOOD (G ≥ 0.95)	CONCRETE OR GROUTED BLOCK	STEEL & ALUM.	WOOD	
SCREW-BOLT	DEWALT	3/8"	3 1/4"	3 1/4"	N/A	N/A	1 1/2"	N/A	N/A	N/A
LAG SCREW	-	3/8"	N/A	N/A	N/A	N/A	1 1/2"	N/A	N/A	1 1/2"
TAP-FLEX	ELCO CONSTRUCTION PRODUCTS	3/8"	N/A	N/A	N/A	N/A	N/A	N/A	3/4"	N/A

5. MODEL D-HV-5 CONSISTING OF THE INSTALLATION OF HORIZONTAL LOUVER SYSTEM AS FRONT DECORATIVE COVER TO REAR VERTICAL LARGE MISSILE IMPACT RESISTANT ALUM. LOUVER SYSTEM MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, OR THE ROOM WILL HOUSE NON-WATER RESISTANT EQUIPMENT. COMPONENTS OR SUPPLIES INSTALLATION ON LOUVER IS LIMITED TO 40 FT. IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.

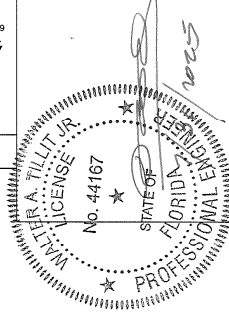
6. ALUMINUM MEMBERS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

DATE: 03/24/2025
 DRAWING BY: W.H.
 DRAWING NO.: 25-022
 SHEET 1 OF 15

S&P AIR CONTROL, LLC.
 3005 South Hickory St.
 Chattanooga, TN 37407



P.E. SEAL/SIGNATURE/DATE
PRODUCT APPROVED
 in compliance with the Florida Building Code
 NOA-No. 25-0819-01
 Approval Date 09/18/2025
 By: [Signature]
 Miami-Dade Product Control

MIAMI DADE COUNTY

A.S.D DESIGN PRESSURE RATING:
 +110, -110 psf. FOR SINGLE & MULTIPLE PANELS W/(1)
 +110, -110 psf. ONLY FOR SINGLE PANELS W/(10) & W/O (1)
 (FOR SPECIFIC CONNECTION TO CURTAIN WALLS
 SEE SHEETS 6, 11 & 14)

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA

BILL OF MATERIALS

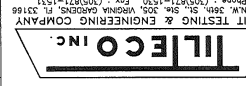
COMPONENT #	DESCRIPTION	MATERIAL	NOTES
1	HEAD	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS W/(2) (12) TO (3) AT CORNERS
2	SILL	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS USE W/(8)
3	SIDE JAMB	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS, CONNECTED TO SILL AT CORNERS W/(2) (12)
3A	LAST BLADE BLANK-OFF ANGLE	6063-T5 ALUMINUM ALLOY/TEMPER	W/ (13) @8"O.C. TO (3)
4	BIRD SCREEN FRAME	6063-T5 ALUMINUM ALLOY/TEMPER	OPTIONAL
5A	HORIZONTAL FRONT BLADE	6063-T5 ALUMINUM ALLOY/TEMPER	SPACED @ 2 3/8"O.C. W/(2) (13) AT ENDS TO JAMBS (3)
5B	VERTICAL REAR BLADE	6063-T5 ALUMINUM ALLOY/TEMPER	SPACED AT 13/16"O.C. & W/(2) (13) TO HEAD (1) & SILL (2) AT ENDS.
6	BLADE BRACE FOR (5B)	6063-T5 ALUMINUM ALLOY/TEMPER	2" LONG, SHALL CATCH (3) BLADES (5B) & FASTENED TO (6A) W/(15)
6A	BLADE BRACE STRIP FOR (5B)	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS HORIZONTALLY ACROSS UNIT W/(1) (14) TO (3) EA END
7	STANDARD BIRD SCREEN	3/4" x 0.051" FLATTENED ALUMINUM	OPTIONAL
8	SILL BAFFLE	3003 H14 ALUMINUM ALLOY/HARDNESS	CONTINUOUS, CONNECTED TO (2) W/ (13) @8"O.C
9	HEAD FLANGE	6063-T5 ALUMINUM ALLOY/TEMPER	OPTIONAL
10	GLAZING ADAPTER FOR CURTAIN WALL	6063-T5 ALUMINUM ALLOY/TEMPER	PER CURTAIN WALL MANUFACTURER
11	HEAD/SILL MOUNTING ANGLE	6061-T6 ALUMINUM ALLOY/TEMPER	CONTINUOUS
12	#8 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S.	MIN. Fy=90 ksi	USE AT FRAME ASSEMBLY AT CORNERS
13	#10 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S.	-	USE (2) FOR BLADES ATTACHMENT EA. END
14	1/4 -14 x 1-1/2" HEX HEAD TEK SCREW	-	ATTACHMENT OF (11) TO HEAD & SILL & FOR (6A) TO (3)
15	#10 x 3/4" HEX HEAD TEK SCREW	-	(6A) CONNECTION TO (6)
16	ANCHOR FOR (11)	VARIES SEE NOTE 4/1	SEE NOTE 4/1
17	STRUCTURAL SILICONE DOW 795 (SEE NOTES)	SILICONE SEALANT	QUALIFIES ALSO DOW 983. USE ONLY AT SPECIFIC CURTAIN WALL SUBSTRATE. SEE SHEET 11

MODEL D-H-S-HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGES IMPACT RESISTANT

DATE: 03/24/2025

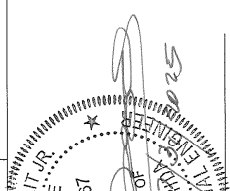
DRAWING NO.: 25-022

SHEET 2 OF 15



©2025 TILTECO, INC.

TILTECO INC.
6055 NW 38th St. #44167
Miami, FL 33166
Phone: (305)871-1530
Fax: (305)871-1531



WALTER A. TILLITT, JR.
LICENSE NO. 4191
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0819.01

Approval Date 09/18/2025

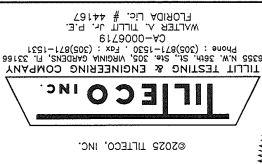
By: *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY

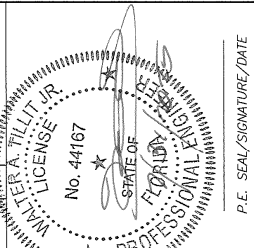
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W.H. DRAWN BY: MODEL D-H-HORIZONTAL & VERTICAL LOWER STYL LARGE MISSILE IMPACT RESISTANT

DATE: 03/24/2025
DRAWING NO. 25-022
SHEET 3 OF 15

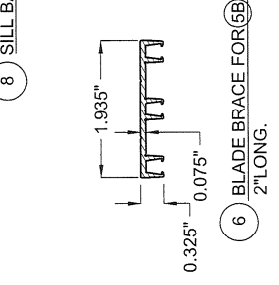
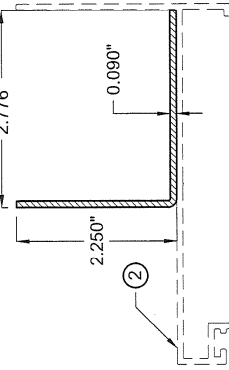
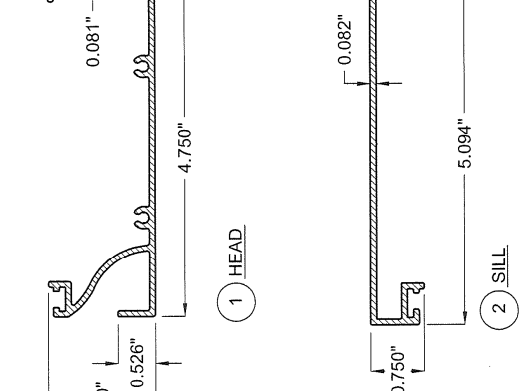
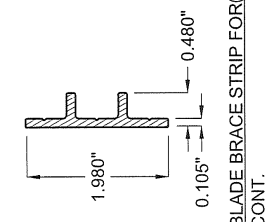
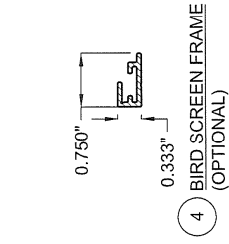
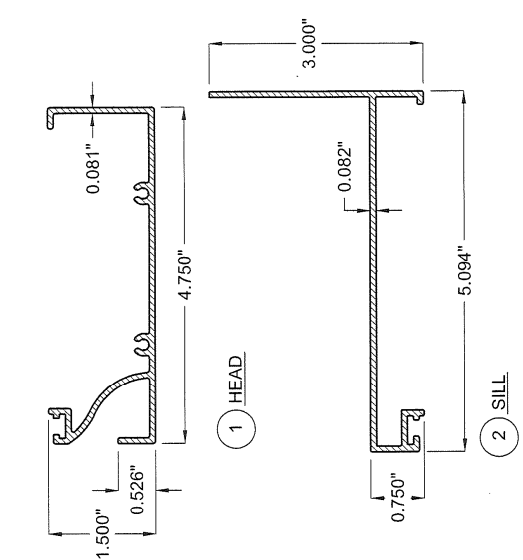
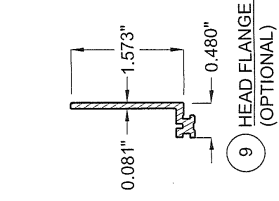
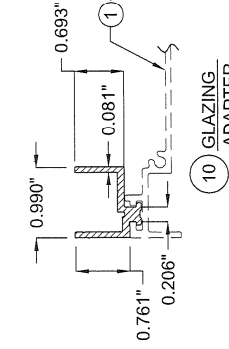
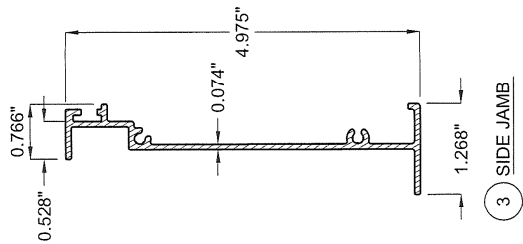
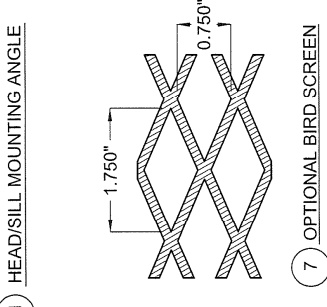
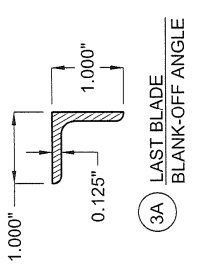
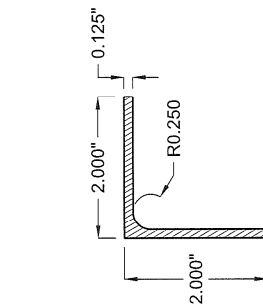
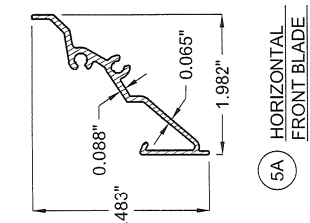
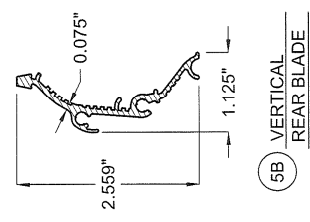


©2025 TILTECO, INC.
TILTECO INC. 2505 N.W. 10th St., Pompano Beach, FL 33069
Phone: (954) 971-1530 Fax: (954) 971-1531
TILTECO, INC. 44167
FLORIDA LIC. # 44167
WALTER A. TILIT, JR. P.E.



P.E. SEAL/SIGNATURE/DATE
PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 25-0819.01
Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control
MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



COMPONENTS
SCALE: N.T.S.

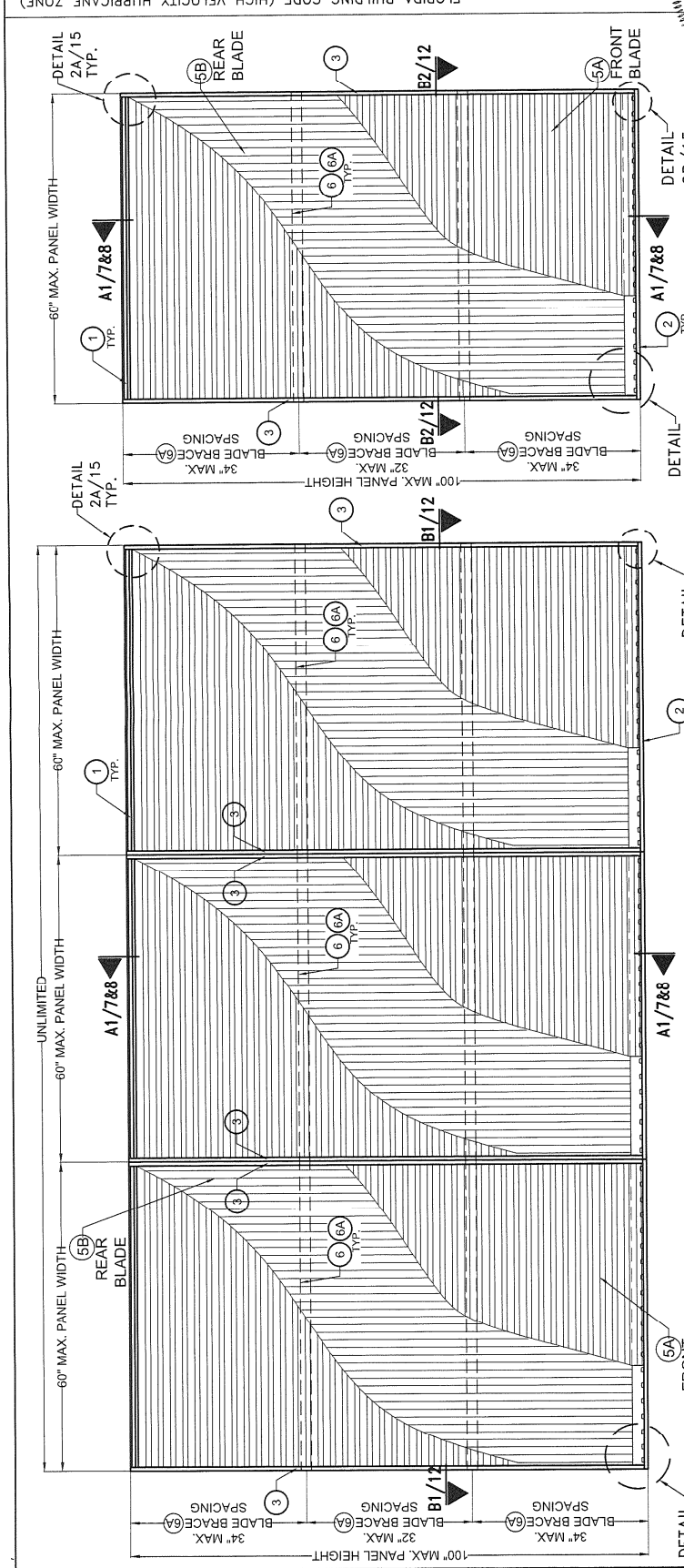
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1			1		
2			2		

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
 DRAWN BY: _____ DATE: 03/24/2025
 DRAWING NO. 25-022 SHEET 4 OF 15

TILTECO INC.
 2025 TILTECO, INC.
 TILTE TESTING & ENGINEERING COMPANY
 6555 N.W. 58th St., Suite 205, Merritt Island, FL 32953
 Phone: (321) 437-1520 Fax: (321) 437-1531
 WATER A. TILTE, JR.
 P.E. # 44167
 FLORIDA LIC. # 44167

P.E. SEAL/SIGNATURE/DATE
 WALTER TILTE, JR.
 No. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE No. 44167

PRODUCT APPROVED
 in accordance with the Florida Building Code
 NOA-No. 25-0819.01
 Approval Date 09/18/2025
 By: _____
 Miami-Dade Product Control
 MIAMI DADE COUNTY



EXTERIOR ELEVATION MULTIPLE UNITS
 W/ (6) & (6A) BLADE BRACE @ REAR BLADE (6B) * W/(11)
 SCALE: N.T.S.

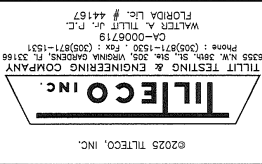
EXTERIOR ELEVATION SINGLE UNIT
 W/ (6) & (6A) BLADE BRACE
 @ REAR BLADE (6B) * W/(11)
 SCALE: N.T.S.

NOTE:
 (NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. SEE SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER CASE)

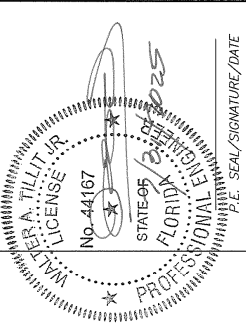
REV. NO.	DESCRIPTION	DATE
1	3005 South Hickory St. Chattanooga, TN 37407	
2		

MODEL D-HV-5 HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGE IMPACT RESISTANT

DATE: 03/24/2025
DRAWING NO. 25-022
SHEET 5 OF 15

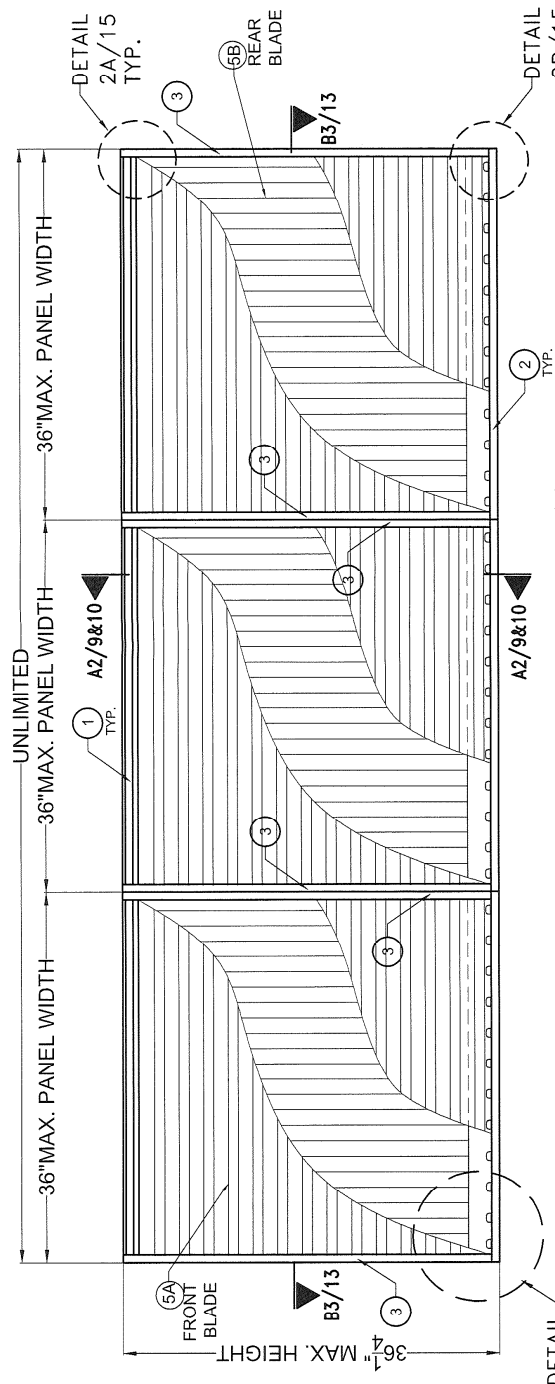


FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



PRODUCT APPROVED
Complies with the Florida
Building Code
NOA-No. 25-0819.01
Approval Date 09/18/2025
By [Signature]
Miami-Dade Product Control

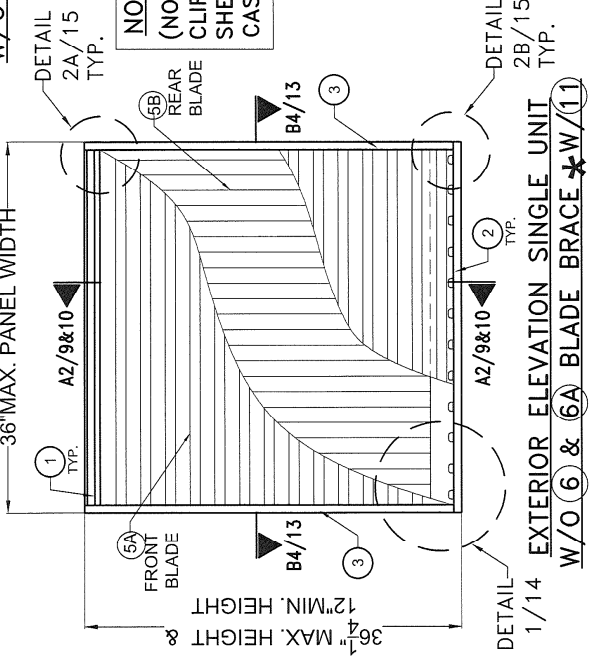
MIAMI DADE COUNTY



EXTERIOR ELEVATION MULTIPLE UNITS
W/O (6) & (6A) BLADE BRACE * W/(1)

SCALE: N.T.S

NOTE:
(NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS
CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. SEE
SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER
CASE)



EXTERIOR ELEVATION SINGLE UNIT
W/O (6) & (6A) BLADE BRACE * W/(1)

SCALE: N.T.S

W.H. DRAWN BY:	MODEL D-W-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT	
DATE:	03/24/2025	
DRAWING NO.:	25-022	
REV. NO.	DESCRIPTION	DATE
1		
2		

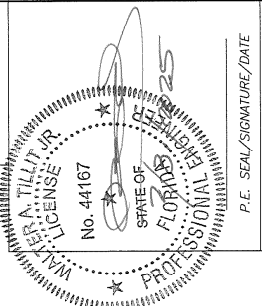
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2025 TILTECO, INC.

TILTECO INC.

TILFIT TESTING & ENGINEERING COMPANY
 8555 NW 35th St, Suite 205, Miramar, Florida 33189
 Phone: (305)971-1530 Fax: (305)971-1531

WALTER A. TILFIT, P.E.
 FLORIDA Lic. # 44167

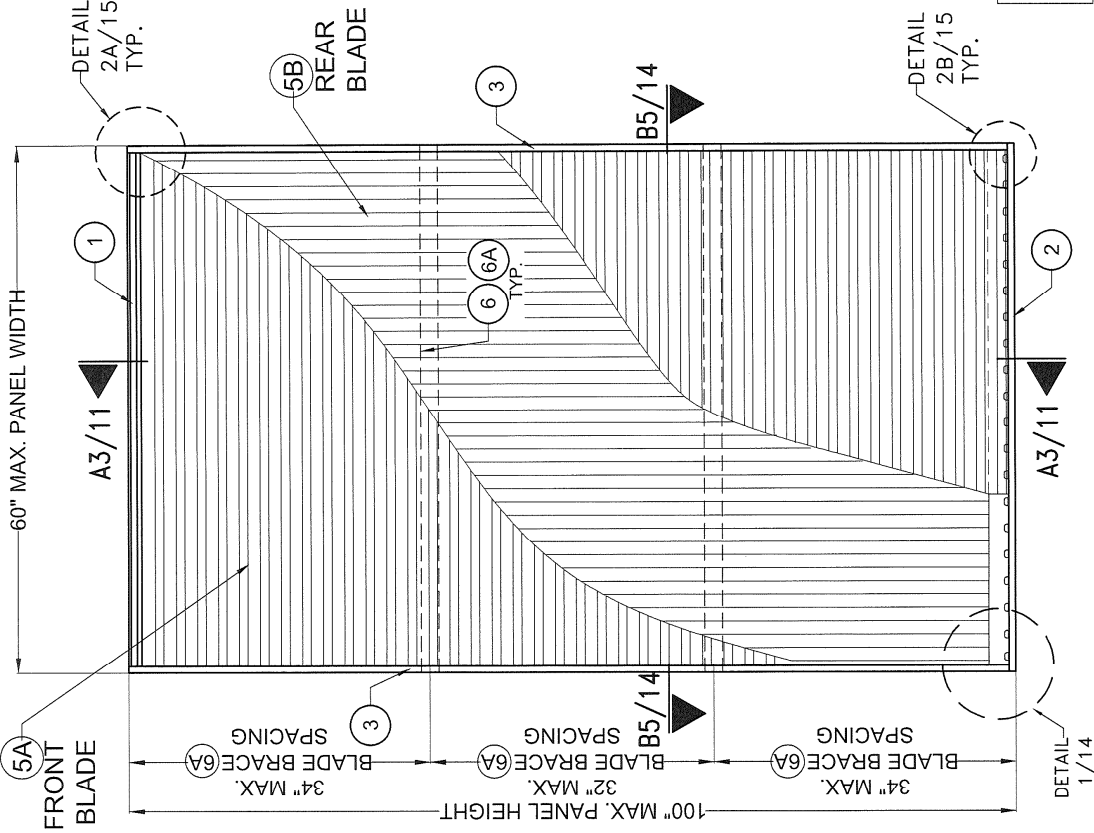


P.E. SEAL/SIGNATURE/DATE

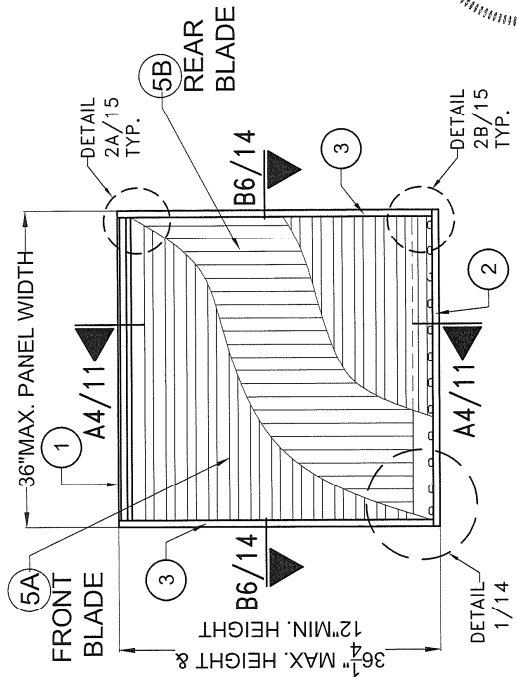
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By: *[Signature]*
 Miami-Dade Product Control

MIAMI DADE COUNTY



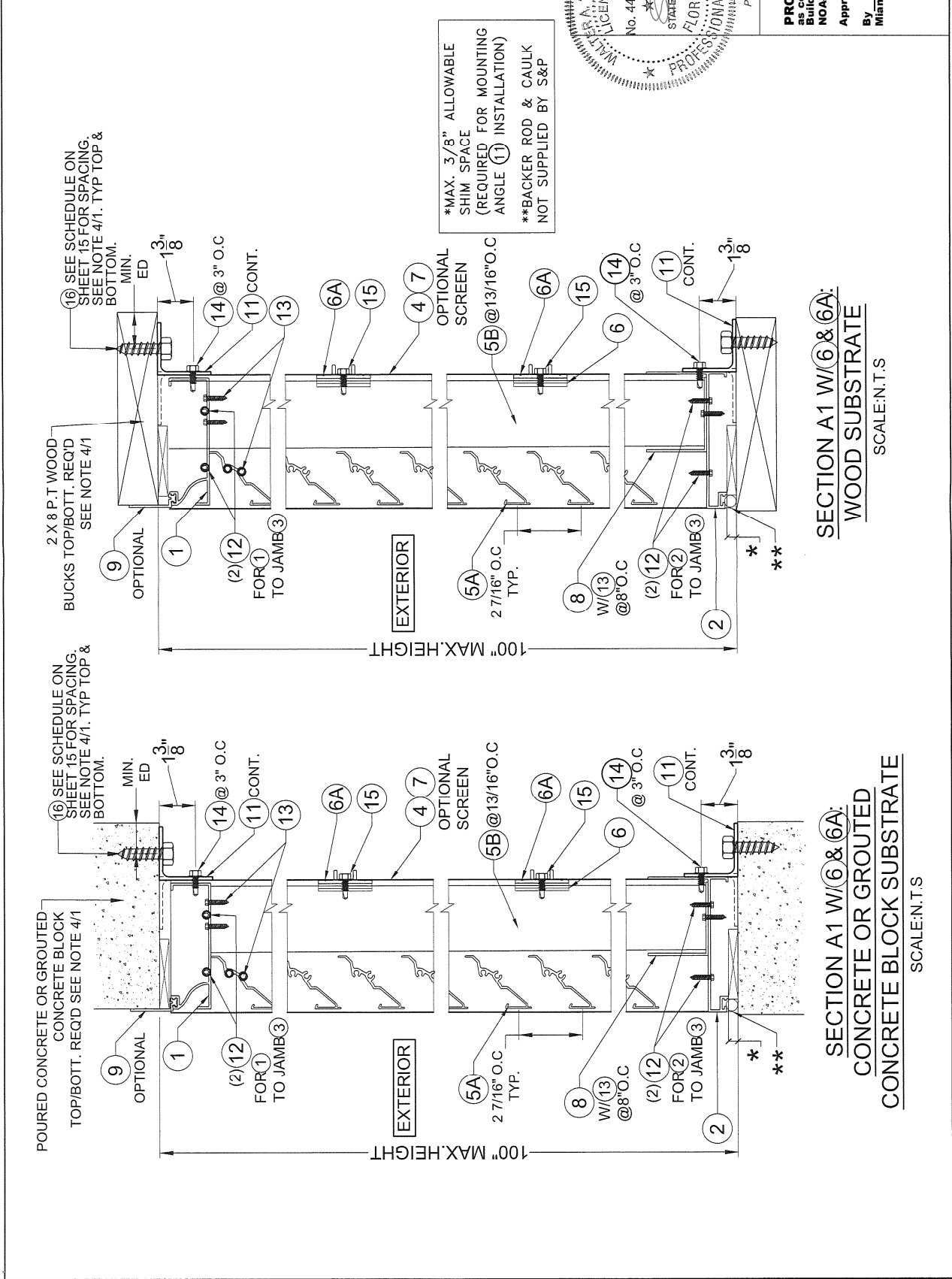
EXTERIOR ELEVATION SINGLE UNIT
 W/ (6) & (6A) BLADE BRACE AT REAR BLADE (5B)*
 (CURTAIN WALL INSTALLATION)
 SCALE: N.T.S



EXTERIOR ELEVATION SINGLE UNIT
 W/O (6) & (6A) BLADE BRACE
 AT REAR BLADE (5B)*
 (CURTAIN WALL INSTALLATION)
 SCALE: N.T.S

NOTE: *
 THIS INSTALLATION FOR SINGLE LOUVER PANEL IS CLIPPED
 W/ COMPONENT (10) TO CURTAIN WALLS. ALL AROUND.

DRAWING NO. 25-022 DATE: 03/24/2023 W.H. BY: S&P AIR CONTROL, LLC MODEL D-H-S HORIZONTAL & VERTICAL LOWER SYSTEM LARGE MISSILE IMPACT RESISTANT	3005 South Hickory St. Chattanooga, TN 37407	TILTECO INC. 6255 NW 35th St. #400 Miami, FL 33166 Phone: (305)971-1530 Fax: (305)971-1531 Florida Lic. # 44167 WALTER A. TILITECO, P.E.	P.E. SEAL/SIGNATURE/DATE WALTER A. TILITECO, P.E. No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER	PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 25-0819.01 Approval Date 09/19/2025 By: [Signature] Miami-Dade Product Control	MIAMI DADE COUNTY
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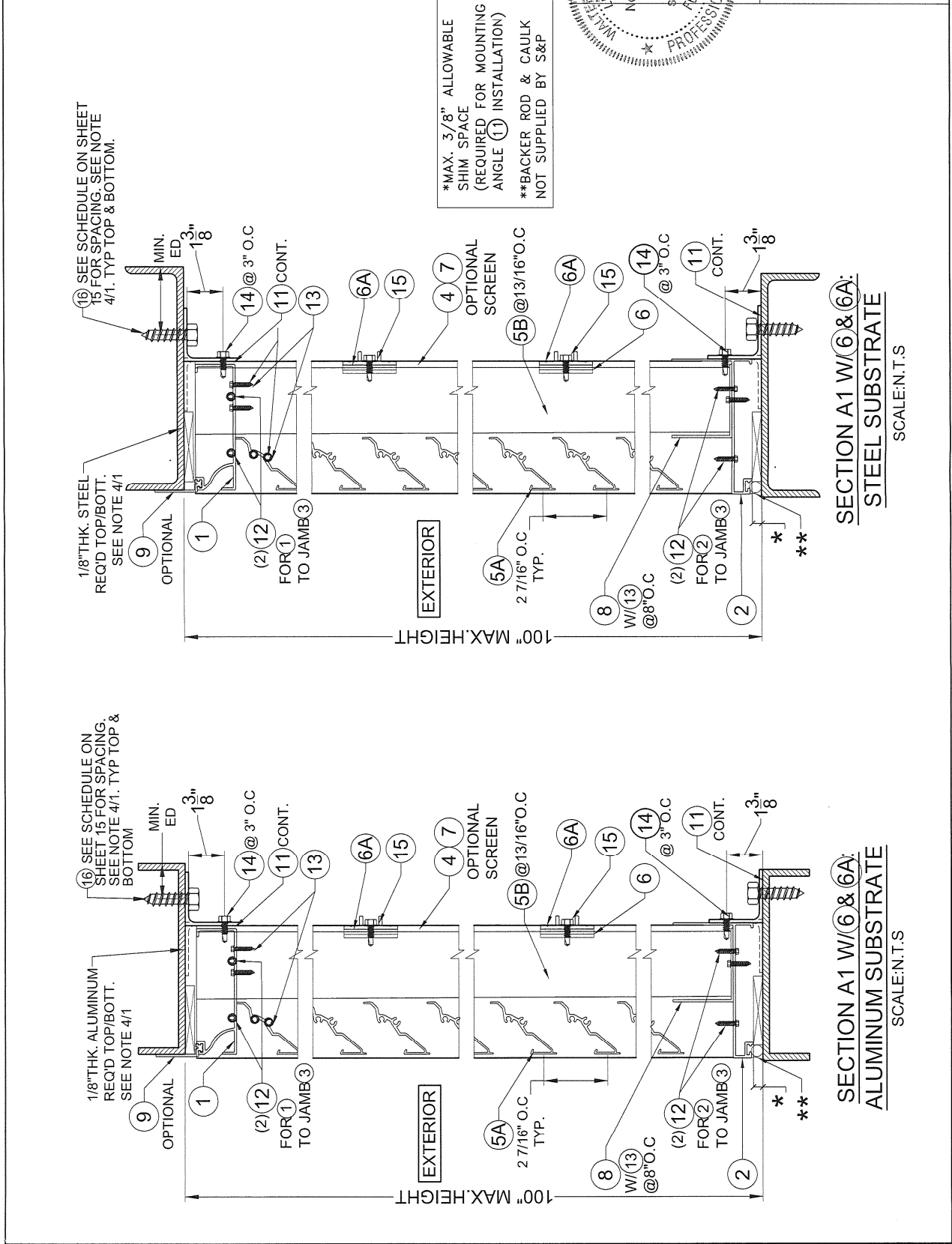


*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE 1) INSTALLATION)
 **BACKER ROD & CAULK NOT SUPPLIED BY S&P

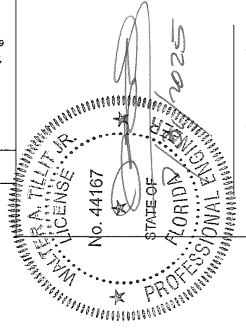
SECTION A1 W/6 & 6A:
 WOOD SUBSTRATE
 SCALE:N.T.S

SECTION A1 W/6 & 6A:
 CONCRETE OR GROUTED CONCRETE BLOCK SUBSTRATE
 SCALE:N.T.S

MODEL D-HV-5 HORIZONTAL & VERTICAL LOWER SYSTEM LARGE MISSILE IMPACT RESISTANT		DATE: 03/24/2025	DRAWING NO.: 25-022	W.H. BY:
3005 South Hickory St. Chattanooga, TN 37407		REV. NO. DESCRIPTION DATE REV. NO. DATE	DRAWING NO.: 25-022	SHEET 8 OF 15
TILTECO INC. 2025 TILTECO, INC. TILTECO TESTING & ENGINEERING COMPANY 6555 Hwy. 50, Ste. 205, MARIETTA, GA 30067, P.O. Box 15318 Phone: (770) 971-1530 Fax: (770) 971-1531 TILTECO, INC. # 44167		FLORIDA LIC. # 44167 WALTER A. TILLET JR. P.E.	P.E. SEAL/SIGNATURE/DATE	PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 25-0819.01 Approval Date 09/18/2025 By: <i>[Signature]</i> Miami-Dade Product Control



*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE 1) INSTALLATION)
 **BACKER ROD & CAULK NOT SUPPLIED BY S&P



SECTION A1 W/6 & 6A:
STEEL SUBSTRATE
 SCALE:N.T.S

SECTION A1 W/6 & 6A:
ALUMINUM SUBSTRATE
 SCALE:N.T.S

MIAMI DADE COUNTY

REV. NO.	DESCRIPTION	DATE
1		
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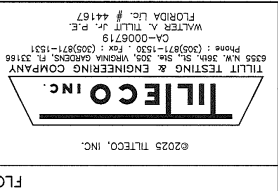
MODEL D-H-5 HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

DATE: 03/24/2025
DRAWING NO.: 25-022

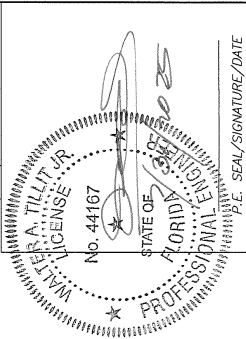
3005 South Hickory St
Chattanooga, TN 37407

S&P AIR CONTROL, LLC

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



62025 TILTECO, INC.
TILTECO TESTING & ENGINEERING COMPANY
Phone: (605)871-1550 Fax: (605)871-1551
5255 NW 28th St, Suite 1000, Miramar, FL 33186
WALTER A. TILLIT, P.E.
FLORIDA Lic. # 44167

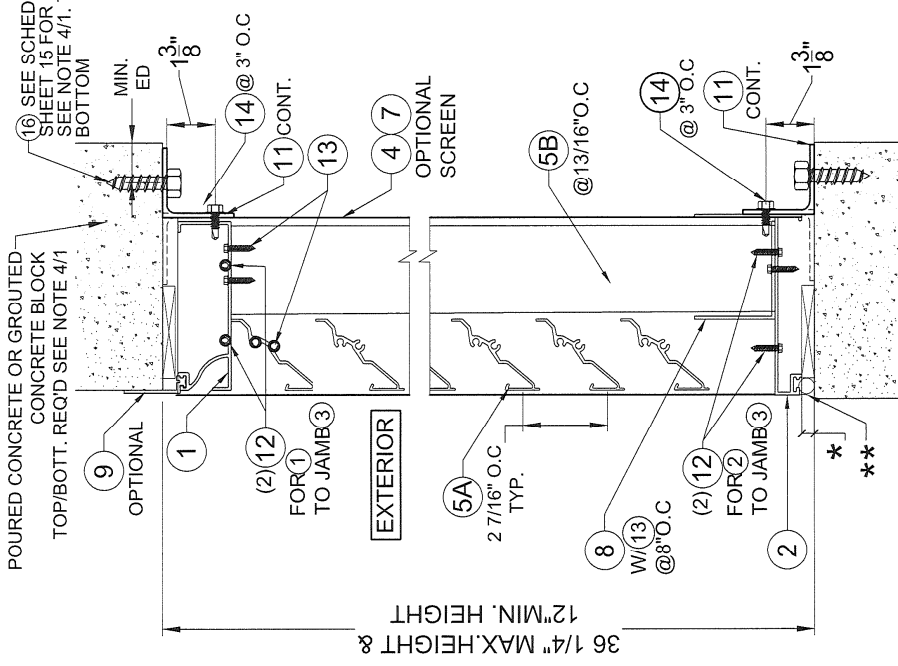


PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **25-0819.01**
Approval Date **09/18/2025**
By *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY

POURED CONCRETE OR GROUTED
CONCRETE BLOCK
TOP/BOTT. REQ'D SEE NOTE 4/1
SEE NOTE 4/1

2 X 8 P.T WOOD
BUCKS TOP/BOTT. REQ'D
SEE NOTE 4/1



*MAX. 3/8" ALLOWABLE
SHIM SPACE
(REQUIRED FOR MOUNTING
ANGLE ① INSTALLATION)
**BACKER ROD & CAULK
NOT SUPPLIED BY S&P

SECTION A2 W/O (6 & 6A):
WOOD SUBSTRATE
SCALE: N.T.S

SECTION A2 W/O (6 & 6A):
**CONCRETE OR GROUTED
CONCRETE BLOCK SUBSTRATE**
SCALE: N.T.S

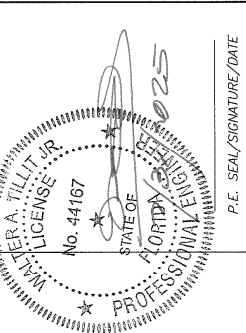
DATE:	03/26/2025
DRAWING NO.:	25-022
W.H.:	MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE RESISTANT
DESCRIPTION:	3005 South Hickory St. Chattanooga, TN 37407
REV. NO.:	1
DESCRIPTION:	
DATE:	
REV. NO.:	2

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2025 ILLICO, INC.

ILLICO INC.

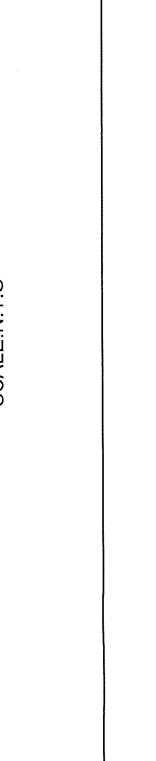
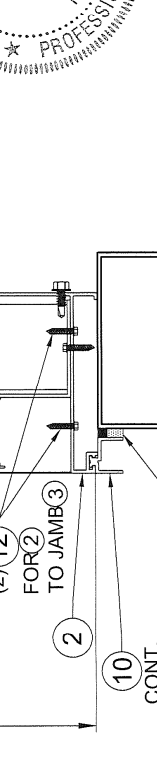
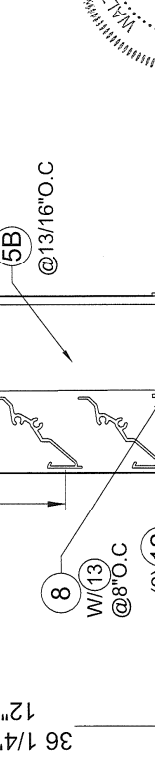
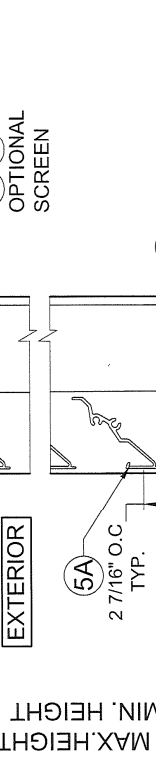
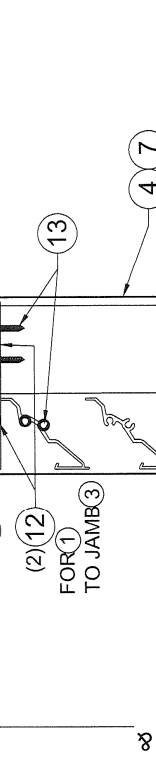
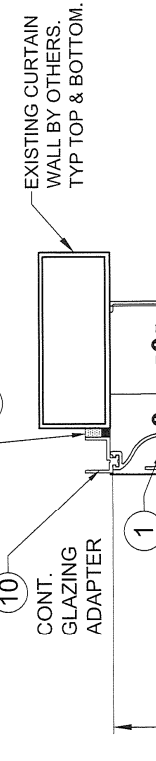
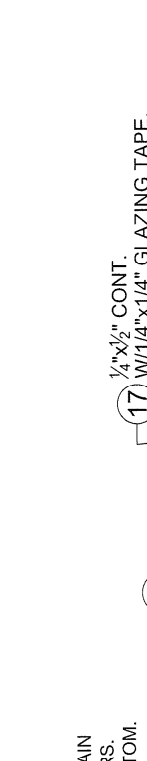
TILIT TESTING & ENGINEERING COMPANY
 6335 NW 36th St., Suite 205, Pompano Beach, FL 33069
 Phone: (954) 971-1550 Fax: (954) 971-1531
 CA-0006719
 WALTER A. TILIT, P.E.
 Florida Lic. # 44167



P.E. SEAL/SIGNATURE/DATE

PRODUCT APPROVED
 in compliance with the Florida Building Code
 NOA-No. **25-0819.01**
 Approval Date **09/18/2025**
 By *[Signature]*
 Miami-Dade Product Control

MIAMI DADE COUNTY



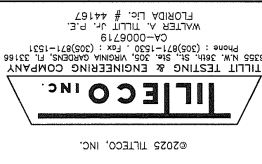
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1			2		
2			3		

W.H. DRAWN BY: DATE: 03/24/2025 DRAWING NO. 25-022 SHEET 13 OF 15

MODEL D-HV-HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

S&P AIR CONTROL, LLC. 3005 South Hickory St. Chattanooga, TN 37407

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



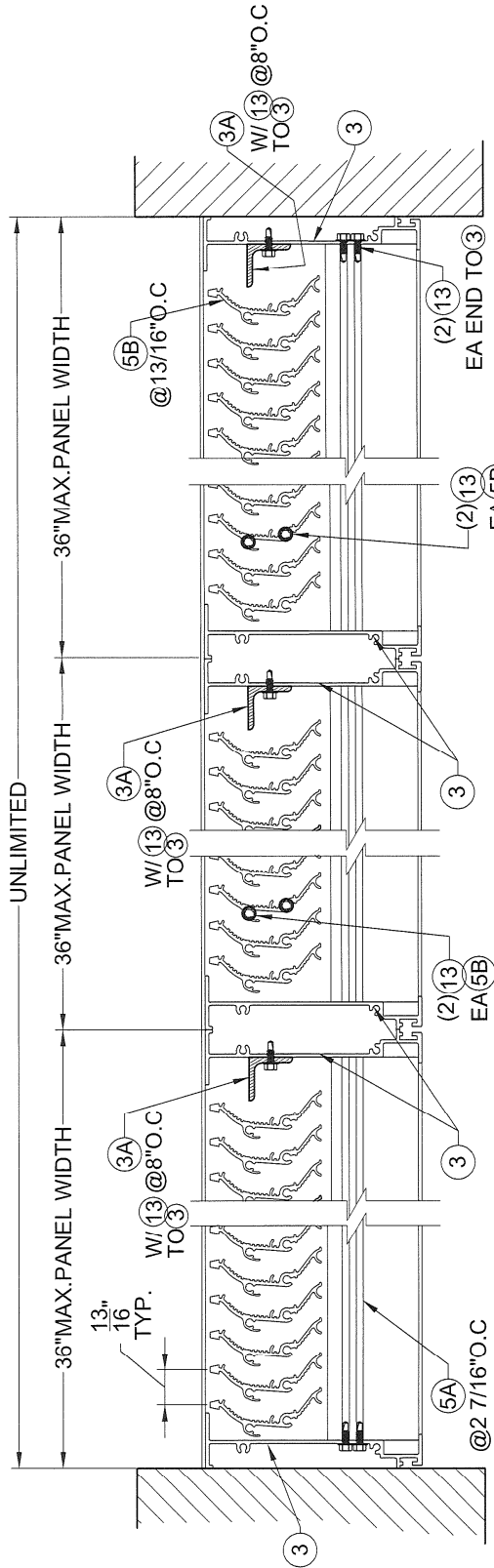
WALTER A. TILTECO, P.E. LICENSE No. 44167

PROFESSIONAL ENGINEER STATE OF FLORIDA

P.E. SEAL/SIGNATURE/DATE

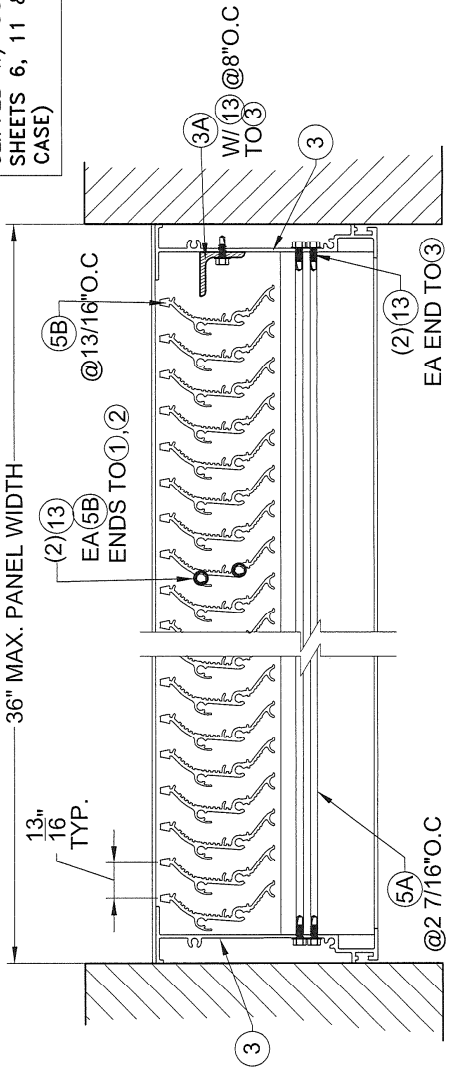
PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 25-0819.01 Approval Date 09/18/2025 By Miami-Dade Product Control

MIAMI DADE COUNTY



SECTION B3 W/O 6 & 6A: MULTIPLE PANELS W/11 (NOT SHOWN) * SCALE:N.T.S.

NOTE: (NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS CLIPPED W/ COMPONENT 10 TO CURTAIN WALLS. SEE SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER CASE)



SECTION B4 W/O 6 & 6A: SINGLE PANELS W/11 (NOT SHOWN) * SCALE:N.T.S.

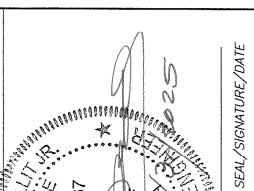
REV. NO.	DESCRIPTION	DATE
1		
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5		

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING NO. SHEET 14 OF 15

S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

FLORIDA LIC. # 44167
WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
555 N.W. 29th St., Suite 200, Westlake, FL 33168
Phone: (904) 771-1520, Fax: (904) 771-1521

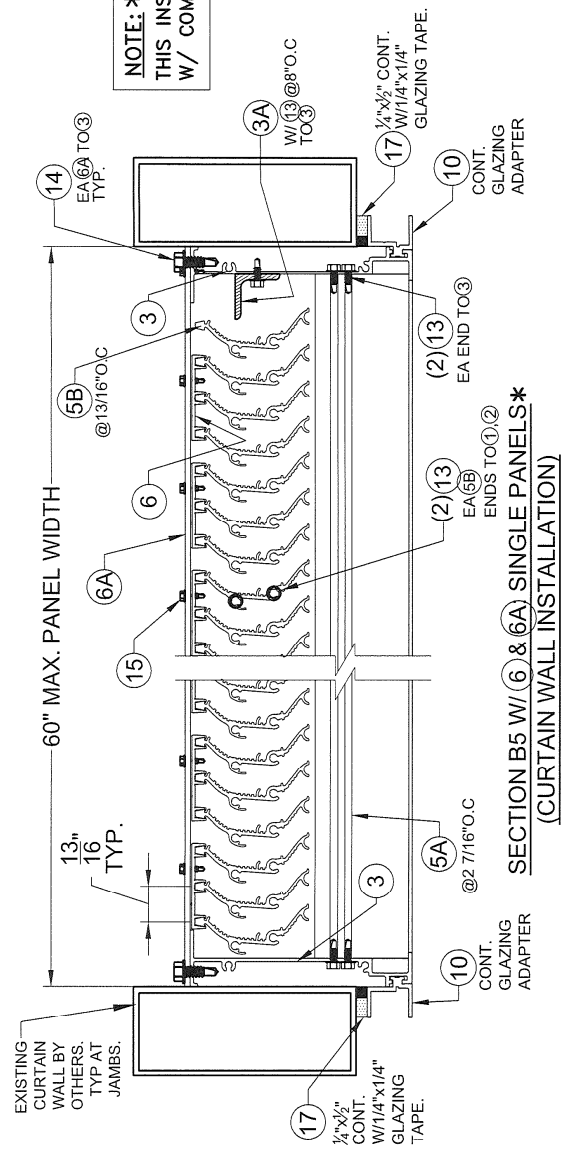


PRODUCT APPROVED
as complying with the Florida
Building Code **25-0819.01**
NOA-No. **25-0819.01**
Approval Date **09/18/2025**
By *[Signature]*
Miami-Dade Product Control

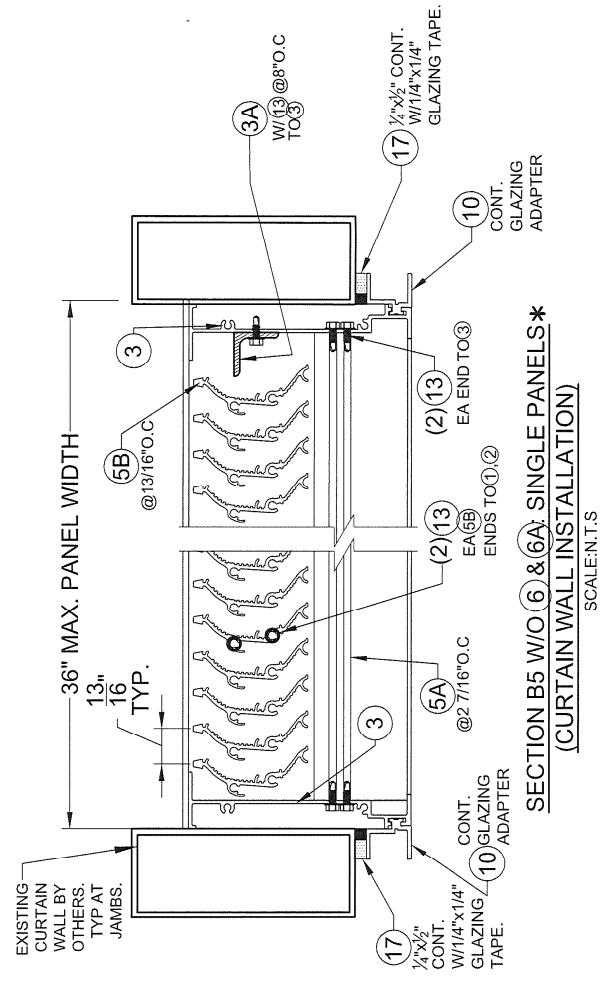
MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

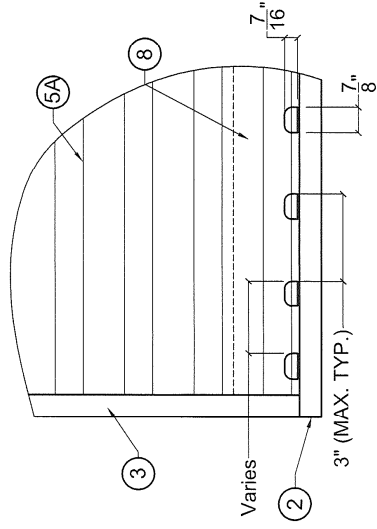
NOTE: *
THIS INSTALLATION FOR SINGLE LOUVER PANEL IS CLIPPED
W/ COMPONENT 10 TO CURTAIN WALLS. ALL AROUND.



SECTION B5 W/ (6) & (6A) SINGLE PANELS*
(CURTAIN WALL INSTALLATION)
SCALE:N.T.S.



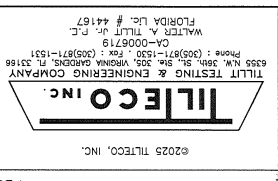
SECTION B5 W/O (6) & (6A) SINGLE PANELS*
(CURTAIN WALL INSTALLATION)
SCALE:N.T.S.



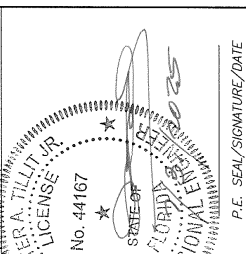
DETAIL 1: (WEEP HOLES/SILL BAFFLE)
SCALE: N.T.S.

REV. NO.	DESCRIPTION	DATE
1		
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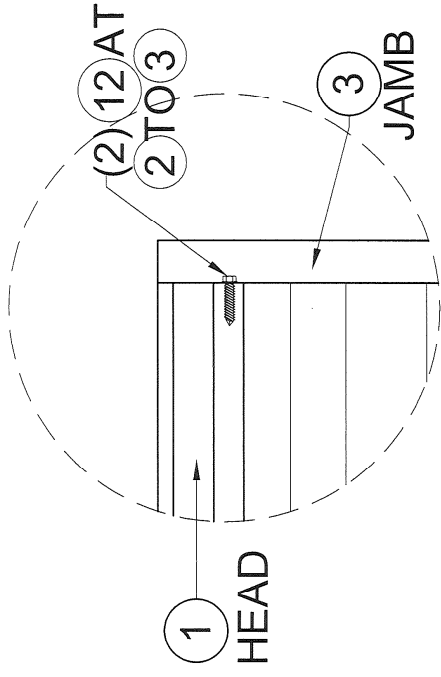
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING NO. SHEET 15 OF 15



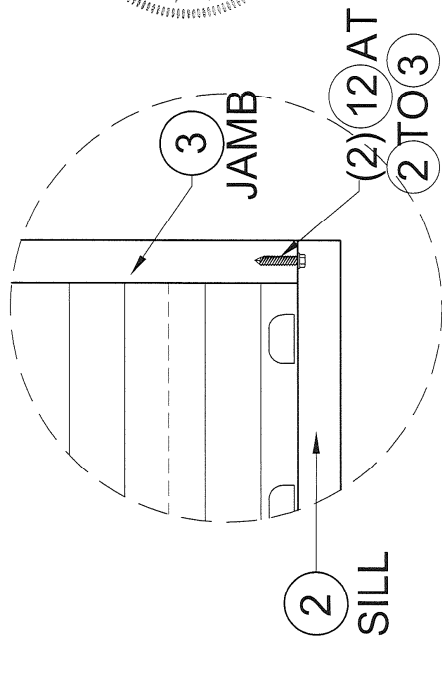
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



P.E. SEAL/SIGNATURE/DATE
PRODUCT APPROVED
 as complying with the Florida Building Code
 NOA-No. 25-0819.01
 Approval Date 09/18/2025
 By: [Signature]
 Miami-Dade Product Control
 MIAMI DADE COUNTY



DETAIL 2A: PANEL ASSEMBLY
 SCALE: N.T.S



DETAIL 2B: PANEL ASSEMBLY
 SCALE: N.T.S

MAX. ANCHOR (16) SPACING SCHEDULE AS PER NOTE 4/1 AT INSTALLATION WITH SINGLE & MULTIPLE PANELS W/ ANGLE (1) PER SECTIONS A1 & A2 (TOP & BOTTOM)

A.S.D. DESIGN LOAD (p.s.f.)	MAX. UNIT HEIGHT (FT)	SUBSTRATE		
		POURED CONCRETE OR GROUTED CONCRETE BLOCK	ALUMINUM OR STEEL	WOOD
≤ 75.0	≤ 5'-0"	6" O.C.	6" O.C.	6" O.C.
	> 5'-0" - 8'-4"	6" O.C.	6" O.C.	3 1/2" O.C.
> 75-110	≤ 5'-0"	6" O.C.	6" O.C.	4" O.C.
	> 5'-0" - 8'-4"	6" O.C.	6" O.C.	N/A